PATENT COOPERATION TREAT

From the INTERNATIONAL BUREAU

PCT

NOTIFICATION OF ELECTION

(PCT Rule 61.2)

To:

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US Department of Commerce
United States Patent and Trademark
Office, PCT
2011 South Clark Place Room
CP2/5C24
Arlington, VA 22202
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in its capacity as elected Office

International application No. PCT/GB00/03320

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Priority date (day/month/year) 26 August 1999 (26.08.99)

Applicant

CLIFTON-BLIGH, Gervase

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22 March 2001 (22.03.01)
in a notice effecting later election filed with the International Bureau on:
The election X was
was not
made before the expiration of 19 months from the priority date or, where Rule 32 applies, within the time limit under Rule 32.2(b).
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The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland Authorized officer

Zakaria EL KHODARY

Facsimile No.: (41-22) 740.14.35

Telephone No.: (41-22) 338.83.38

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Wise, Tregear & Co., Commonwealth House, 1-19 New

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- (71) Applicant (for all designated States except US): SYMTEC LIMITED [GB/GB]; 32 Athol Street, Douglas, Isle of Man IM1 1JB (GB).
- (72) Inventor; and (75) Inventor/Applicant (for US only): CLIFTON-BLIGH,

3HL (GB).

(74) Agent: WATKIN, Timothy, Lawrence, Harvey; Lloyd

(81) Designated States (national): IN, JP, US.

Oxford Street, London WC1A 1LW (GB).

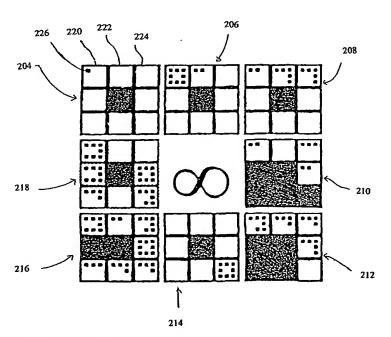
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Without international search report and to be republished upon receipt of that report.

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: METHODS AND DEVICES FOR SELECTING ITEMS SUCH AS DATA FILES



(57) Abstract: A method is described for allowing a user to select one of a plurality of items. The user employs a device having a display area, and a joystick or a contact sensitive area. The device displays a number of regions equal to the number of items, and defines a number of sections in the angular range of the joystick, or sections within the contact sensitive area, equal to the number of items, and arranged corresponding to the arrangement of the regions of the display area. The user selects one of said items by selecting the corresponding section.



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(74) Agent: WATKIN, Timothy, Lawrence, Harvey; Lloyd Wise, Tregear & Co., Commonwealth House, 1-19 New

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(71) Applicant (for all designated States except US): SYMTEC LIMITED [GB/GB]; 32 Athol Street, Douglas, Isle of Man IM1 1JB (GB). (84) Designated States (regional): European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE).

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Published:

With international search report.

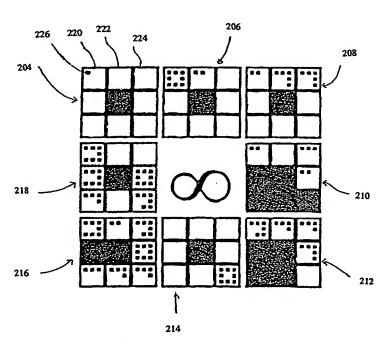
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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(72) Inventor; and

(75) Inventor/Applicant (for US only): CLIFTON-BLIGH,

(54) Title: METHODS AND DEVICES FOR SELECTING DATA FILES



(57) Abstract: A method is described for allowing a user to select one of a plurality of items. The user employs a device having a display area, and a joystick or a contact sensitive area. The device displays a number of regions equal to the number of items, and defines a number of sections in the angular range of the joystick, or sections within the contact sensitive area, equal to the number of items, and arranged corresponding to the arrangement of the regions of the display area. The user selects one of said items by selecting the corresponding section.



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PCT/GB00/03320

AMENDED CLAIMS

[received by the International Bureau on 21 May 2001 (21.05.01); original claims 1-22 replaced by amended claims 1-21 (7 pages)]

1. A method for allowing a user to select one of a plurality of items, the method employing a device having a display area and, separately from the display area, a data input means which registers the location of a contact made by the user in a contact sensitive area extending over a continuous range, the contact sensitive area being substantially loop-shaped and encircling the display area,

the method including:

displaying within the display area a number of regions equal to the number of items;

defining within the contact sensitive area a number of sections equal to the number of items, the arrangement of said sections corresponding to the arrangement of said regions of the display area, each section corresponding to a respective region,

whereby the user can select one of said items by contacting a location in a respective one of said sections;

characterized in that the sections are defined by partitioning the substantially loop-shaped contact sensitive area along its circumferential direction, and the regions are provided along a path corresponding to the circumferential direction of the contact sensitive area.

2. A method according to claim 1 in which the path is independent of the number of regions, and the step of

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displaying the regions includes partitioning the path into a number of elements corresponding to the number of regions and displaying a region in each path element.

- 3. A method according to any of claims 1 in which for each possible number of regions up to a maximum, there is a predefined arrangement of that number of regions.
- 4. A method according to claim 1, claim 2 or claim 3 in which the regions have respective centres which are not on a straight line.
- 5. A method for allowing a user to select one of a plurality of items, the method employing a device having a display area and, separately from the display area, a data input means which registers a selection made by the user within a continuous range,

the method including at least one step of:

displaying within the display area a number of regions, each item corresponding to a respective item;

- (i) defining a plurality of subsets of said regions; and
- (ii) defining within the continuous range a number of sections equal to the number of subsets, the arrangement of said sections corresponding to the arrangement of the respective subsets of regions, whereby the user can select one of said subsets by selecting the respective one of said sections;

optionally, at least one step of:

- (i) defining a plurality of subsets of said selected subset of regions; and
- (ii) defining within the continuous range a number of sections equal to the number of subsets, the arrangement of said sections corresponding to the arrangement of the respective subsets of regions, whereby the user can select one of said subsets by selecting the respective one of said sections; and

defining within the continuous range a number of sections equal to the number of items in the previously selected subset, the arrangement of said sections corresponding to the arrangement of the respective region representing the items, whereby the user can select one of said items by selecting the respective one of said sections; wherein said data input device is contact-sensitive surface or a joystick indicator.

- 6. A method according to any preceding claim in which the sections collectively cover the whole of the contact sensitive area, so that defining the sections is equivalent to partitioning the entire area.
- 7. A method according to any preceding claim in which the user can (i) vary the selection of the item, information being displayed in relation to the item corresponding to the present selection, and (ii) by a predetermined action make a definitive selection.

- 8. A method according to any preceding claim which is performed repeatedly, on each occasion selecting from items which are logically related to the item selected in the previous step.
- 9. A method according to any preceding claim in which the logical relationships are of any type or types suitable for defining a hyperspace.
- 10. A method according to any preceding claim in which the items are data files, sets of data files or portions of data files.
- 11. A method according to claim 10 in which at least some of the data files are stored in a location remote from the device but accessible to the device.
- 12. A method according to claim 10 or claim 11 in which, upon selecting a data file, the user is presented with at least some information about that data file.
- 13. A method according to any of claims 10 to 12 in which, upon selecting a data file, the user can open the selected data file.
- 14. A device for allowing a user to select one of a plurality of items, the device having
- a display area, for displaying a number of regions equal to the number of items:
- a contact-sensitive data input device, separate from said display area , which registers the location of a contact

made with a substantially loop-shaped contact-sensitive area encircling the display area; and

a processor for (i) defining within the contactsensitive area a number of sections equal to the number of
items, the arrangement of said sections corresponding to the
arrangement of said regions of the display area and each
section corresponding to a respective region, and (ii) upon a
user contacting a respective one of the sections, determining
the corresponding item,

characterized in that the processor defines the sections by partitioning the substantially loop-shaped contact sensitive area along its circumferential direction, and the regions are provided along a path corresponding to the circumferential direction of the contact sensitive area.

- 15. A device for allowing a user to select one of a plurality of items, the device having
- a display area, for displaying a number of regions equal to the number of items;
- a data input means which registers a selection made by the user within a continuous range (e.g. the data input device may be a contact sensitive area, different from said display area, which registers the location of a contact made by the user within the area); and
 - a processor for
 - (i) defining a plurality of subsets of said regions; and

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a data input means which registers a selection made by the user within a continuous range (e.g. the data input device may be a contact sensitive area, different from said display area, which registers the location of a contact made by the user within the area); and

a processor for

- (i) defining a plurality of subsets of said regions; and
- (ii) defining within the continuous range a number of sections equal to the number of subsets, the arrangement of said sections corresponding to the arrangement of the respective subsets of regions, whereby the user can select one of said subsets by selecting the respective one of said sections;

optionally, at least one step of:

- (i) defining a plurality of subsets of said selected subset of regions; and
 - (ii) defining within the continuous range a number of sections equal to the number of subsets, the arrangement of said sections corresponding to the arrangement of the respective subsets of regions, whereby the user can select one of said subsets by selecting the respective one of said sections; and

defining within the continuous range a number of sections equal to the number of items in the previously selected subset, the arrangement of said sections corresponding

to the arrangement of the respective region representing the items, whereby the user can select one of said items by selecting the respective one of said sections;

wherein said data input device comprises a contact-

- 5 sensitive surface or a joystick indicator.
 - 16. A device according to claim 14 or 15 in which the data input means is not adapted to display information.
 - 17. A device according to any of claims 14 to 16 in which the data input means is arranged to be rotatable about the
- display device, whereby the user can enter data into the data input means by rotating the data input means by a selected rotational angle.
 - 18. A device according to any of claims 14 to 17 in which the data input means has a rest plane and it cantable out of
- 15 the rest plane, whereby the user can enter data into the data input device by canting the display device in a selected direction.
 - 19. A device according to any of claims 14 to 18 which is an item of consumer electronics.
- 20 20. A device according to any of claims 14 to 19 in which the display area is a low resolution screen.
 - 21. A computer program product readable by a computer device which causes the computer device to perform a method according to any of claims 1 to 13.

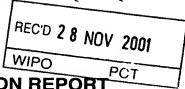


(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference		of Transmittal of International Search Report 20) as well as, where applicable, item 5 below.					
International application No.	International filing date (day/month/year)	(Earliest) Priority Date (day/month/year)					
PCT/GB 00/03320	29/08/2000	26/08/1999					
Applicant							
SYMTEC LIMITED							
This International Search Report has bee according to Article 18. A copy is being tra	n prepared by this International Searching Aut ansmitted to the International Bureau.	hority and is transmitted to the applicant					
This International Search Report consists It is also accompanied by	of a total of sheets. a copy of each prior art document cited in this	s report.					
Basis of the report							
a. With regard to the language, the language in which it was filed, un	international search was carried out on the ba less otherwise indicated under this item.	sis of the international application in the					
the international search w Authority (Rule 23.1(b)).	vas carried out on the basis of a translation of t	the international application furnished to this					
was carried out on the basis of th	e sequence listing :	nternational application, the international search					
	onal application in written form.	<u>.</u>					
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	furnished subsequently to this Authority in written form. furnished subsequently to this Authority in computer readble form.						
the statement that the su	bsequently furnished written sequence listing cas filed has been furnished.	does not go beyond the disclosure in the					
		is identical to the written sequence listing has been					
	ınd unsearchable (See Box I).						
3. Unity of invention is lac	cking (see Box II).						
4. With regard to the title ,							
I <u>₩</u> "	ubmitted by the applicant.						
	shed by this Authority to read as follows:						
METHODS AND DEVICES FO	OR SELECTING DATA FILES						
5. With regard to the abstract,		•					
	ubmitted by the applicant.						
the text has been established within one month from the	shed, according to Rule 38.2(b), by this Author e date of mailing of this international search re	rity as it appears in Box III. The applicant may, port, submit comments to this Authority.					
6. The figure of the drawings to be pub	lished with the abstract is Figure No.	12a					
as suggested by the app	licant.	None of the figures.					
because the applicant fai		,					
because this figure better	r characterizes the invention.						

ATENT COOPERATION TR





INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant	or an	ent's file reference	T			
TLW/44			FOR FURTHER AC	TION		tion of Transmittal of International Examination Report (Form PCT/IPEA/416) .
Internation	al app	lication No.	International filing date (d	day/month/	year)	Priority date (day/month/year)
PCT/GB	00/0	3320	29/08/2000			26/08/1999
Internation G06F17		ent Classification (IPC) or na	tional classification and IPC			
SYMTE	CLIM	IITED et al.				
		ational preliminary exam smitted to the applicant a		prepared	by this Inter	national Preliminary Examining Authority
2. This	REPO	ORT consists of a total of	6 sheets, including this	cover she	eet.	
, t	een a	mended and are the bas		sheets co	ntaining rec	claims and/or drawings which have tifications made before this Authority PCT).
Thes	e ann	exes consist of a total of	7 sheets.			
3. This	report	contains indications rela	iting to the following item	ns:	? 1	
1	\boxtimes	Basis of the report			;	•
- 11		Priority				
111	\boxtimes	Non-establishment of o	pinion with regard to nov	elty, inve	ntive step a	nd industrial applicability
!V		Lack of unity of invention	on ·			• • •
. V			nder Article 35(2) with reg ons suporting such stater		ovelty, inven	tive step or industrial applicability;
VI		Certain documents cité	ed			
VII	\boxtimes	Certain defects in the in	nternational application			
VIII	Ø	Certain observations or	n the international applica	ation		
Date of sub	missio	on of the demand		Date of co	mpletion of th	is report
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International application No. PCT/GB00/03320

、I. Basis of the report

1.	the and	receiving Office in	nents of the international app response to an invitation unde to this report since they do not	er Article 14 are	referred to in this	report as "originally filed"
	1-8	2	as originally filed			
	Cla	ims, No.:				
	1-2	3	as received on	08/11/2001	with letter of	05/11/2001
	Dra	wings, sheets:				•
	1/13	3-13/13	as originally filed			
2.			uage, all the elements marke nternational application was f			
	The	se elements were a	available or furnished to this A	uthority in the f	ollowing language:	, which is:
		the language of a	translation furnished for the p	urposes of the i	nternational searcl	h (under Rule 23.1(b)).
		the language of pu	blication of the international a	application (und	er Rule 48.3(b)).	
		the language of a 1 55.2 and/or 55.3).	translation furnished for the p	urposes of inter	national preliminai	y examination (under Rule
3.			leotide and/or amino acid s y examination was carried ou			
		contained in the in	ternational application in writt	en form.	• •• •	
		filed together with	the international application ir	computer read	lable form.	
		furnished subsequ	ently to this Authority in writte	n form.		
		furnished subsequ	ently to this Authority in comp	outer readable fo	orm.	
			t the subsequently furnished voplication as filed has been fu		e listing does not (go beyond the disclosure in
		The statement that listing has been full	t the information recorded in c mished.	computer readal	ble form is identica	al to the written sequence
4.	The	amendments have	resulted in the cancellation o	f:	s	
		the description,	pages:			
		the claims,	Nos.:			:



International application No. PCT/GB00/03320

		the drawings,	sheets:
5.	Ø		established as if (some of) the amendments had not been made, since they have been rond the disclosure as filed (Rule 70.2(c)):
		(Any replacement sh report.) see separate sheet	eet containing such amendments must be referred to under item 1 and annexed to this
6.	Add	litional observations, i	f necessary:
Ш.	Nor	n-establishment of o	pinion with regard to novelty, inventive step and industrial applicability
1.			e claimed invention appears to be novel, to involve an inventive step (to be non- ally applicable have not been examined in respect of:
		the entire internation	al application.
		claims Nos	
be	caus	se:	·
			application, or the said claims Nos. relate to the following subject matter which does ational preliminary examination (<i>specify</i>):
	Ø	•	is or drawings (indicate particular elements below) or said claims Nos. 1-28 are so ingful opinion could be formed (specify):
	×	the claims, or said cla opinion could be form	aims Nos. 1-28 are so inadequately supported by the description that no meaningful ned.
		no international searc	ch report has been established for the said claims Nos
2.	and		I preliminary examination cannot be carried out due to the failure of the nucleotide nce listing to comply with the standard provided for in Annex C of the Administrative
		the written form has i	not been furnished or does not comply with the standard.
		the computer readab	le form has not been furnished or does not comply with the standard.
VII	. Ce	rtain defects in the in	nternational application
The	e foli	lowing defects in the f	orm or contents of the international application have been noted:

see separate sheet



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International application No. PCT/GB00/03320

VIII. Certain observations on the international application

The following observations on the clarity of the claims, description, and drawings or on the question whether the claims are fully supported by the description, are made: see separate sheet





Re Item I

Basis of the report

The claims 1 and 2 refer to a data input means "registering the degree of rotation 1. independently of said selection within the range". Claims 18 and 19 refer to a data input means, "whereby the user can enter data into the data input means by rotating the data input means independently of said selection within the range". No basis for these features could be found in the application documents as originally filed (Article 34(2)(b)) and in particular not on page 69, last paragraph. Hence, this feature has been omitted with regard to the examination of the claims.

Re Item III

Non-establishment of opinion with regard to novelty, inventive step and industrial applicability

The claims are unclear, not concise, and not fully supported by the description 1. (see VIII) and do not meet the requirements of Article 34(2)(b). Hence, an opinion with regard to novelty, inventive step and industrial applicability has not been established.

Re Item VII

Certain defects in the international application

- The features of some of the claims (see e.g. claims 2 and 19) are not provided 1. with reference signs placed in parentheses (Rule 6.2(b) PCT).
- The summary of the invention in the description should refer explicitly to the 2. independent claims and mention their categories.

Re Item VIII

Certain observations on the international application





The plurality of independent claims 1, 2, 18, 19 specifying partly overlapping 1. features, sometimes using different definitions or terminology for what appear to be intended to be the same features, makes it unclear what the applicant considers to be the features which are necessary to define the invention for which protection is sought. Hence, the independent claims as a whole are unclear (Article 6 PCT) and the present set of claims is not concise.

In particular, methods 1 and 2 differ significantly from each other: claim 2 refers to the definition of subsets of the displayed regions, a number of corresponding sections and an optional step comprising several alternatives. However, these features are not present in claim 1.

Claims 1, 2, 18, and 19 are not fully supported by the description (Article 6 PCT). 2. The only embodiment disclosed in the description, which comprises an input device with the features of (1) registering a selection made by a user in a loopshaped range and (2) being rotatable circumferentially by the user is described on page 69, last paragraph of the description. This embodiment shows a contactsensitive device which registers the location of a contact made by the user in a contact-sensitive area over a continous range, the contact sensitive area being loop-shaped and encircling the display area and the sections are defined by partitioning the substantially loop-shaped contact sensitive area along its circumferential direction.

These features are essential to the disclosed techniques. In particular, the fact that the contact sensitive area encircles the display is essential in order to clarify what is meant by arranging the sections corresponding to the arrangement of the regions. Moreover, there is no suitable embodiment showing an input device which is based on a different technique than the contact sensitive area which is substantially loop-shaped. For example, one could image that a camera, being adapted for eye-tracking and rotatably mounted on top of a display screen, could be used as an input device. However, such an embodiment has been not disclosed in the description. Hence, the present claims are not fully supported by the description.



Claims

1. A method for allowing a user to select one of a plurality of items, the method employing a device having a display area and, separately from the display area, a data input means which registers the location of a contact made by the user in a contact sensitive area extending over a continuous range,

the method including:

displaying within the display area a number of regions equal to the number of items;

defining within the contact sensitive area a number of sections equal to the number of items, the arrangement of said sections corresponding to the arrangement of said regions of the display area, each section corresponding to a respective region,

whereby the user can select one of said items by contacting a location in a respective one of said sections.

- 2. A method according to claim 1 in which the sections collectively cover the whole of the contact sensitive area, so that defining the sections is equivalent to partitioning the entire area.
- 3. A method for allowing a user to select one of a plurality of items, the method employing a device having a display area and, separately from the display area, a joystick indicator device, the joystick indicator device having a joystick which can be urged from a central

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location in any of a continuous angular range of directions about the central location, and registering the direction of urging of the joystick,

the method including:

displaying within the display area a number of regions equal to the number of items;

defining within the continuous range a number of sections equal to the number of items, the arrangement of said sections corresponding to the arrangement of said regions of the display area, each section corresponding to a respective region,

whereby the user can select one of said items by urging the joystick from the central location in a direction included in the respective one of said sections.

- 4. A method according to claim 3 in which the sections collectively cover the whole of the angular range, so that defining the sections is equivalent to partitioning the angular range.
- 5. A method according to any preceding claim in which the user can (i) vary the selection of the item, information being displayed in relation to the item corresponding to the present selection, and (ii) by a predetermined action make a definitive selection.
- 6. A method according to any preceding claim which is performed repeatedly, on each occasion selecting from items which are logically related to the item selected in

the previous step.

- 7. A method according to any preceding claim in which the logical relationships are of any type or types suitable for defining a hyperspace.
- 8. A method according to any preceding claim in which the regions are arranged along a predefined path in the display.
- 9. A method according to any of claims 1 to 7 in which for each possible number of regions up to a maximum, there is a predefined arrangement of that number of regions.
- 10. A method according to any preceding claim in which the items are data files, sets of data files or portions of data files.
- 11. A method according to claim 10 in which at least some of the data files are stored in a location remote from the device but accessible to the device.
- 12. A method according to claim 10 or claim 11 in which, upon selecting a data file, the user is presented with at least some information about that data file.
- 13. A method according to any of claims 10 to 12 in which, upon selecting a data file, the user can open the selected data file.
- 14. A device for allowing a user to select one of a plurality of items, the device having

a display area, for displaying a number of regions equal to the number of items;

a contact-sensitive data input device, separate from said display area, which registers the location of a contact made with a contact-sensitive area; and

a processor for (i) defining within the contactsensitive area a number of sections equal to the number
of items, the arrangement of said sections corresponding
to the arrangement of said regions of the display area
and each section corresponding to a respective region,
and (ii) upon a user contacting a respective one of the
sections, determining the corresponding item.

- 15. A device according to claim 14 in which the contact sensitive area is loop-shaped and encircles the display area.
- 16. A device for allowing a user to select one of a plurality of items, the device having

a display area, for displaying a number of regions equal to the number of items;

a joystick data input means which registers an angle in which a joystick member is urged from a central position within a continuous angular range; and

a processor for (i) defining within the continuous range a number of sections equal to the number of items, the arrangement of said sections corresponding to the arrangement of said regions of the display area and each section corresponding to a respective region, and (ii) upon a user contacting a respective one of the sections, determining the corresponding item

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17. A method for allowing a user to select one of a plurality of items, the method employing a device having a display area and, separately from the display area, a data input means which registers a selection made by the user within a continuous range,

the method including at least one step of:

displaying within the display area a number of
regions, each item corresponding to a respective item;

- (i) defining a plurality of subsets of said regions; and
- (ii) defining within the continuous range a number of sections equal to the number of subsets, the arrangement of said sections corresponding to the arrangement of the respective subsets of regions, whereby the user can select one of said subsets by selecting the respective one of said sections;

optionally, at least one step of:

- (i) defining a plurality of subsets of said selected subset of regions; and
- (ii) defining within the continuous range a number of sections equal to the number of subsets, the arrangement of said sections corresponding to the arrangement of the respective subsets of regions, whereby the user can select one of said subsets by selecting the respective one of said sections; and

defining within the continuous range a number of sections equal to the number of items in the previously

selected subset, the arrangement of said sections corresponding to the arrangement of the respective region representing the items, whereby the user can select one of said items by selecting the respective one of said sections;

wherein said data input device is contact-sensitive surface or a joystick indicator.

18. A device for allowing a user to select one of a plurality of items, the device having

a display area, for displaying a number of regions equal to the number of items;

a data input means which registers a selection made by the user within a continuous range (e.g. the data input device may be a contact sensitive area, different from said display area, which registers the location of a contact made by the user within the area); and

- a processor for
- (i) defining a plurality of subsets of said regions; and
- (ii) defining within the continuous range a number of sections equal to the number of subsets, the arrangement of said sections corresponding to the arrangement of the respective subsets of regions, whereby the user can select one of said subsets by selecting the respective one of said sections;

optionally, at least one step of:

(i) defining a plurality of subsets of said

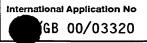
selected subset of regions; and

(ii) defining within the continuous range a number of sections equal to the number of subsets, the arrangement of said sections corresponding to the arrangement of the respective subsets of regions, whereby the user can select one of said subsets by selecting the respective one of said sections; and

defining within the continuous range a number of sections equal to the number of items in the previously selected subset, the arrangement of said sections corresponding to the arrangement of the respective region representing the items, whereby the user can select one of said items by selecting the respective one of said sections;

wherein said data input device comprises a contactsensitive surface or a joystick indicator.

- 19. A device according to any of claims 14 to 16 or 18 in which the data input means is not adapted to display information.
- 20. A device according to any of claims 14 to 16 or 18 to 19, which is an item of consumer electronics.
- 21. A device according to any of claims 14 to 16 or 18 to 20 in which the display area is a low resolution screen.
- 22. A computer program product readable by a computer device which causes the computer device to perform a method according to any of claims 1 to 13 or 17.



A. CLASSIFICATION OF SUBJECT MATTER IPC 7 G06F17/30

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 GO6F GO6K HO4M

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

INSPEC, EPO-Internal, IBM-TDB

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Y Further documents are listed in the continuation of box C.	χ Patent family members are listed in annex.
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Date of the actual completion of the international search 12 March 2001	Date of mailing of the international search report 19/03/2001
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer Abbing, R

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International Application No

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